

POLAND/Electronics - Electrical Discharge in Gases and  
Gas Discharge Apparatus.

H

Abs Jour : Ref Zhur Fizika, No 8, 1959, 18429

Author : Wojciechowski, Jerzy

Inst : Institute of Radio Engineering, The Polytechnic, Warsaw,  
Poland

Title : Application of Electroluminescence for Amplification of  
the Image

Orig Pub : Rozpr. elektrotechn., 1958, 4, No 3, 351-382

Abstract : Survey article. The characteristics of various electro-  
luminophors are examined along with methods of their pre-  
paration. Simple-layer brightness amplifiers are descri-  
bed. The operating principle and the construction of  
double-layer amplifiers are described, problems of the  
technology of their manufacture are discussed. Possible

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POLAND/Electronics - Electrical Discharger in Gases and  
Gas Discharge Apparatus.

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Abs Jour : Ref Zhur Fizika, No 8, 1959, 18429

fields of application (television, fluorescopy, and  
others) are indicated.

Bibliography, 36 titles: -- V.S. Gusel'nikov

Card 2/2

WOJCIECHOWSKI, Janusz, inz.

Small school of electronics. Horyz techn 16 no.4;20-21 '63.

POLAND

WOJCIECHOWSKI, Jan; ZIOMEK, Jan

University of Lódz (Universytet Łódzki) - (for both)

Warsaw, Przeglad geologiczny, No 7, July 1966, pages 319-21

"On the occurrence of sphalerite in siderites of ore-bearing series at Leśnica."

WOJCIECHOWSKI, Jan; ZIELINSKA, Danuta

Transpiration of flax and barley. Roczniki wyz szkola  
rol Poznan 15 305-318 '63.

1. Department of Plant Physiology, College of Agriculture,  
Poznan.

WOJCIECHOWSKI, Jan; WOJCIK-WOJKOWIAK, Danuta

Studies on the decomposition of straw and the synthesis  
of humus compounds in the presence of various forms of  
nitrogen. Roczniki wyz szkola rol Poznan 15 289-303  
'63.

1. Department of Plant Physiology, College of Agriculture,  
Poznan.

LEMPART, Stanislaw, inz.; KACPRZAK, Kazimierz, inz.; ORLINSKI, Henryk, mgr;  
ORNACKI, Jan, inz.; WARCHAL, Boguslaw, mgr inz.; WOJCIECHOWSKI, Jacek,  
mgr inz.

Analysis of the utilization of supporting pillars with concrete  
stowing. Rudy i metale 6 no.9:389-394 S '61.

WOJCIECHOWSKI, Jacek, inz.

Installation for drying freight cars. Przegl kolej mechan 13  
no. 2 z 59-60 F '61.

WOJCIECHOWSKI, Janusz, inz.

Little school of electronics. Horyz techn 16 no.7:28 '63.

WOJCIECHOWSKI, Jerzy; WIERZBA, Henryk

The electroluminescent digital indicator. Przegl elektroniki 3  
no.8:476-478 Ag '62.

1. Katedra Radiotechniki, Politechnika, Warszawa.

P/053/62/000/012/003/011  
E071/E451

AUTHORS: Wierzba, Henryk, Wojciechowski, Jerzy

TITLE: The preparation of semiconducting transparent coatings from titanium dioxide on glass

PERIODICAL: Przeglad elektroniki, no.12, 1962, 688-691

TEXT: The object of the work was to obtain semiconducting layers on glass with properties similar to those of tin oxide ( $\text{SnO}_x$ ), which could withstand the action of hydrogen sulphide above  $400^\circ\text{C}$ . This was needed for the subsequent synthesis of luminescent zinc sulphide in the gaseous phase and its deposition on to glass plates covered with a conducting layer. On the basis of the literature data, titanium dioxide was chosen for the purpose. The synthesis and deposition of  $\text{TiO}_2$  on to glass plates was tried from a) liquid phase (similar to the production of  $\text{SnO}$  films) and b) gaseous phase. a) A solution of titanium tetrachloride in isopropyl alcohol was sprayed on to a glass plate heated to  $400^\circ\text{C}$ . Coatings so produced were non-uniform and the method was rejected. b) Titanium tetrachloride vapour was hydrolysed with water vapour (air humidity) with the formation of titanium hydroxide, which was

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E071/E451

The preparation of ...

dehydrated at 200°C to titanium dioxide, both reactions taking place simultaneously. It was found that the best coatings are obtained by continuing the deposition until three changes of an interference colour (e.g. red) took place. The quality of the coatings depends on the rate of deposition (a slow deposition is better) and air humidity (should be above 70 to 80%). The coated plate is 90% transparent. In order to induce conductivity the coating was submitted to a partial reduction with hydrogen at 400°C (3 to 4 min). The resistance of the coatings so obtained was of the order of 2000 to 5000 Ω/square. Similar results were obtained by reduction with hydrogen sulphide at 500 to 550°C. The best conductivity of the coatings was obtained when they were activated simultaneously with the synthesis and deposition of the luminofer film on to the coating. In this way coatings with a resistance of 300 to 3000 Ω/square and 70 to 90% transparency were obtained. The coated plates should be stored in a reducing atmosphere, otherwise their conductivity slowly decreases. The appearance of conductivity is explained by a partial reduction of TiO<sub>2</sub> to Ti<sub>2</sub>O<sub>3</sub>. The coatings produced were resistant to the action

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The preparation of ...

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E071/E451

of hydrogen sulphide even at 600°C. There are 2 figures.

ASSOCIATION: Katedra Radiotechniki Politechniki Warszawskiej  
(Department of Radio-engineering, Warsaw Polytechnic)

Card 3/3

45750

9.4.177

P/053/62/000/006/009/009  
I010/I210

AUTHORS: Rudowski, Grzegorz, Wojciechowski, Jerzy

TITLE: The properties of indium-activated thin photoresistive layers

PERIODICAL: Przeglad Elektroniki, no.6, 1962, 339-342

TEXT: The material used for evaporating was polycrystalline CdTe activated with indium (0.0012%). Thin films of an order of  $14 \mu$  were evaporated on a glass plate, and on this aluminum electrodes were evaporated in vacuum. The photoresistive layers had a crystalline structure, the density of which depended upon the pressure during evaporation. The diameter of grains and crystalline form of the evaporated CdTe depended upon the temperature

Card 1/3

P/053/62/000/006/009/009  
I010/I210

The properties of indium....

difference. When higher than 40°C the diameter of grains was greater than  $5 \mu$  (sometimes reaching  $90 \mu$ ). The smaller the size of grains the more cube-shaped crystalline forms were found. At large sizes many complicated and various shapes were found. The dark specific resistivity was  $8 \times 10^6$  up to  $2 \times 10^9$  ohm-cm. The more complicated crystalline structure and the smaller the size of grains, the higher was the resistivity. Sensitivity at 400 lx on the layer, and 100V between the electrodes sometimes reached 100 (ratio between the current at lighted conditions and the dark current). Also the sensitivity depends upon structure. Sensitivity in close infrared (the same light source with an infrared filter) reached 50. Maximum sensitivity of CdTe was reached at 0.82 to 0.88  $\mu$ . There are 7 figures and 2 Polish references.

Card 2/3

P/053/62/000/006/009/009  
I010/I210

The properties of indium....

ASSOCIATION: Department of Radio Engineering of the Warsaw  
Polytechnic Instytut Fizyki PAN (the Institute  
of Physics of the Polish Academy of Sciences)

Card 3/3

WOJCIECHOWSKI, Jerzy

Solid-state optoelectronics. Rozpr elektrotech 9 no.3:311-341  
'63.

1. Katedra Przyrzadow Elektronowych, Politechnika, Warszawa.

WOJCIECHOWSKI, Jozef

Influence of the planting width and nitrogen fertilizing on the quantity and quality of the crop of the Virginia Skroniowska tobacco variety. Rocznik nauk roln. rosl. 86 no.2:403-412 '62.

1. Ośrodek Działalny Uprawy Tytoniu, Skroniow.

WOJCIECHOWSKI, Kazimierz

Histological changes in the extremities in circulatory insufficiency  
of the lower extremity (Leriche). Poznan.tow.przyjaciol muk,wydz.  
lek. 18 no.4:95-101 '60.  
(ARTERITIS pathol.)  
(AORTA dis.)

MROZIKIEWICZ, Aleksander; MAZUROWA, Aleksandra; WOJCIECHOWSKI, Kazimierz.

Electrocardiographic and histological changes of the heart muscle  
following the administration of glutamic acid in the rabbit. Pat.  
Pol. 15 no.3:327-338 Jl-S '64.

1. Z Zakladu Farmakologii Akademii Medycznej (Kierownik: prof. dr.  
med. J. Dadlez); z I Kliniki Chorob Wewnetrznych Akademii Medycznej  
w Poznaniu (Kierownik: doc. dr. med. K. Jasinski); z I Kliniki Chi-  
rurgicznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med.  
S. Nowicki).

WOJCIECHOWSKI, Kazimierz

Hormonal and surgical therapy of undescended testicles in boys.  
Polski przegl. chir. 34 no.6:459-471 Je '62.

1. Z I Kliniki Chirurgicznej AM w Poznaniu Kierownik: prof. dr.  
S. Nowicki.  
(CRYPTORCHISM ther)      (SEX HORMONES ther)

Wojciechowski, Kazimierz, F.  
POLAND/Solid State Physics - Phase Transitions in Solids  
E-6

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 8298

Author : Wojciechowski Kazimierz, F.

Inst : Not Given

Title : Definition of the Long-Range Order Parameters for n-Component Alloys

Orig Pub : Acta phys. polon., 1956, 15, No 6, 429-430

Abstract : It is shown that for an n-component alloy of stoichiometric composition, the number of parameters that determine the long range order is  $(n-1)^2$ .

Card : 1/1

WOJCIECHOWSKI, Kazimierz, F.

Remarks on the order-disorder phenomena in multicomponent solid solutions. Acta Physica Pol 21 no.3:229-237 Mr '62.

1. Department of Experimental Physics, University, Wroclaw.

K. F. WOJciechowski

Distr: 4E2c

✓ Order-disorder transition temperature in n-component  
alloys. S. Swierczkowski and K. F. Wojciechowski (Univ.  
Wroclaw, Poland). *Bull. acad. polon. sci., Ser. sci. Matk.,  
astron. et phys.* 6, 585-7 (1958) (in English).—General math.  
conditions defining the order-disorder transition point are  
formulated and discussed. J. Stecki

PISKORZ, A., WIERZBICKI, J., WOJCIECHOWSKI, K.

Effect of largactil & phenergan on the healing of homogenous skin grafts in rats. Pat. Polska 9 no.1:15-20 Jan-Mar '58

1. Z I Kliniki Chirurgicznej A.M. w Poznaniu. Kierownik: prof. dr. St. Nowicki. Adres autora: Poznan, I Klin. Chir. ul. Dluga 1.

(PROMETHAZINE, eff. on healing of homogenous skin grafts in rat (Pol))

(CHLOROMAZINE, eff. same (Pol))

(SKIN TRANSPLANTATION, eff. of drugs on chlorpromazine & promethazine on healing of homografts in rat (Pol))

Kazimierz F. Wojciechowski, K. F.

Distr: 4E3c/4E3d

21  
Thermoemission of alloys. Kazimierz F. Wojciechowski  
(Univ. Wrocław). *Acta Phys. Polon.*, 17, 257-261 (1960) (in  
English).—W. derives a semi-phenomenological theory for  
thermoemission from binary and ternary alloys which form  
superlattices at low temps. The thermoemission current is  
found to have a local anomaly near the order-disorder trans-  
formation temp.. This anomaly is a max. or min., depend-  
ing on whether the transformation is a 1st-order or 2nd-  
order phase transition. Calcs. are made for cubic lat-  
tices, but should be generally applicable. R. B. Weston

QB  
11

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J/1  
*A62*

Theory of order in ternary alloys. II. K. F. Wolciechowski (Wroclaw Univ., Poland). *Acta Met.* 7, 376 (1959); cf. *C.A.* 52, 13688e. A statistical theory of the order-disorder transformations for ternary alloys of arbitrary compn. and crystal structure is given. Long-range and short-range order parameters are defined; and equations connecting these parameters are given. The general formula for configurational free energy is deduced and the method of calcn. of the order-disorder transition temp. is shown. As examples, the Heusler alloys  $\text{Cu}_3\text{MnAl}$  (3 sublattices) and  $\text{Cu}_2(\text{MnAl})$  (2 sublattices) and the alloys Ag-Mg-Sn are considered.

C. W. Schick

7/1c

OKT  
11 Order-disorder transitions in metallic alloys. Janusz  
Terpiłowski and Kazimierz E. Wołciechowski (Univ. Wro-  
claw, Poland). *Wiadomości Chemiczne*, 13, 41-60 (1950) (Eng-  
lish summary).—An extensive review with 270 references.  
A. Kreglewski

AUTHOR: Wojciechowski, K. F. SOV/125-7-3-24/44

TITLE: On the Theory of the Ferromagnetism<sup>1</sup> of Multicomponent Alloys (K teorii ferromagnetizma mnogokomponentnykh splavov)

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 7, Nr 3, pp 445-447 (USSR)

ABSTRACT: Vonsovskiy (Refs 1 and 2) has applied the Holstein-Primakov theory (Ref 3) to the case of binary ferromagnetic ordering alloys and has obtained a number of results which take into account the effect of short-range order on the ferromagnetic properties of these alloys. It is shown in the present note that all the results obtained by Vonsovskiy may be generalized to the case of multicomponent alloys with arbitrary crystal lattices. Expressions are derived for the temperature dependence of the spontaneous magnetization (Eq 2), the ferromagnetic Curie point (Eq 3) and the temperature dependence of the spontaneous magnetization at low temperatures (Eq 4). Vonsovskiy's results turn out to be correct not only for binary but also for multi-component alloys.

Card 1/2

SOV/126-7-3-24/44

On the Theory of the Ferromagnetism of Multicomponent Alloys

There are 5 references, 2 of which are Soviet, 2 English and 1 Polish.

ASSOCIATION: Pol'skaya Narodnaya Respublika, Institut fiziki  
Pol'skoy Akademii nauk, Laboratoriya nizkikh temperatur,  
g. Vrotslav (Polish People's Republic, Institute of  
Physics of the Polish Ac.Sc., Low Temperature  
Laboratory, Wrocław)

SUBMITTED: December 16, 1958

Card 2/2

COUNTRY : Poland  
CATEGORY :

B-5

ABS. JOUR. : RZKhim., No. 1959, No. 85034

AUTHOR : Wojciehowski, K. F.

INST. :

TITLE : Theory of Order in Fe<sub>3</sub>Al Alloy.

ORIG. PUB. : Acta phys. polon., 1959, 18, No 1, 15-20

ABSTRACT : A statistical theory of order in Fe<sub>3</sub>Al alloy has been worked out, which takes into account interaction of atoms of first, second, and third degree of proximity. The theory permits to determine more accurately the temperature of order-disorder transition. It is shown that energy of interaction of atom and 3rd neighbor is equal to about 1/2 of energy of interaction with the nearest neighboring atom. -- I. Levtonov.

CARD:

Wojciechowski, K. F.

Distr: 4E2c

General theory of order in n-component alloys. Karl  
Maurz R. Wojciechowski (Univ. Wroclaw). *Acta Phys.  
Polon.* 18, 183-90 (1959) (in English).—A statistical theory  
of order-disorder transformations for n-component alloys  
with arbitrary compn. and cryst. structure is given. The  
zero approxn. of this theory allows, by regarding the in-  
fluence of atoms from an arbitrary shell, a more precise  
detrn. of the order-disorder transition temp. The only  
parameters of the theory are the interactional energies,  
which are to be exptl. detd. By taking into account the  
interaction of atoms from more distant shells than the first  
one, it is possible to compute more precisely the order-dis-  
order transition temp. for an arbitrary alloy.

Seymour M. Kaye

Card 1/1

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1-MSC/50  
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ACCESSION NR: AT3013180

P/2633/62/000/012/0039/0055

AUTHOR: Wojciechowski, Kazimierz

TITLE: The theory of Superlattice of the sulphides  $Fe_{1-\delta}S$ SOURCE: Breslau. Uniwersytet. Acta universitatis wratislaviensis, no. 12, 1962.  
Matematyka, fizyka, astronomia, v. 3, 39-55

TOPIC TAGS: sulfide, iron sulfide, superlattice, ion ordering, vacancy magnetization, Curie temperature

ABSTRACT: This is a statistical mechanical study of iron sulfides with excess sulfur. It deals with the ordering of vacancies and of Fe ions in the sulfide lattice, taking account of coupling between them and the interaction of Fe ions of the 1st and 2nd neighborhood. The free energy of sulfides of arbitrary delta (excess S) is computed and a quantitative explanation of anomalous properties of the sulfides is attempted.

A statistical model of the sulfide lattice is assumed with divalent S ions, ferrous and ferric ions and vacancies. The Fe ions are subdivided into 2 sublattices lying

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		ACCESSION NR: AT3013180	
<p>alternately between layers of sulfur ions perpendicular to the hexagonal axis. The degree of ordering of Fe ions and of vacancies is calculated with exptl. evidence by Bertaut confirming a hypothesis by Neel (in case of complete disorder vacancies exist only in one sublattice). Then follow a calculation of configurational energy, free energy, and the influence of ordering of Fe ions and vacancies on the physical properties of the sulfides, but for the last there are no experimental data to check conclusions. Then the influence of ordering on the magnetic properties is discussed, and the Curie temperature is obtained as a function of the vacancy concentration. Ordering of vacancies and Fe ions influence magnetic properties considerably at temperatures below that of complete disorder of them in the sulfide lattice. Between that temperature and the Neel temperature, spins are being ordered. The sulfide is antiferromagnetic. Below the Neel temperature spins are ordered and the sulfide becomes ferrimagnetic.</p> <p>The author then suggests several experiments to be carried out. "The author thanks Prof. R. S. Ingarten for suggesting this work and for his interest in it. He is also greatly indebted to Mr. G. Basan for many valuable comments and to Dr. F. K. Lotgering for sending a reprint of his paper."</p>			
Card 2/3			

ACCESSION NR: AT3013180			
ASSOCIATION: Institute of Low Temperatures of the Polish Academy of Sciences, Breslau			
SUBMITTED: 25Sep59	DATE ACQ: 22Jul63	ENCL: 00	
SUB CODE: PH	NO REF Sov: 002	OTHER: 007	
Card 3/3			

247100

P/045/62/021/003/002/005  
B137/B102

AUTHOR: Wojciechowski, Kazimierz F.

TITLE: Remarks on order-disorder phenomena in multicomponent solid solutions

PERIODICAL: Acta Physica Polonica, v. 21, no. 3, 1962, 229 - 237

TEXT: The condition for the appearance of superlattices in binary solid solutions reads:  $V_{kj} > 1/2 (V_{kk} + V_{jj})$ , where  $V_{kj}$  denotes the binding energy between different atoms,  $V_{kk}$  and  $V_{jj}$  denote that between atoms of the same kind. This relation is demonstrated for a binary solid solution crystallizing with a cubic body-centered lattice. For describing the configuration of atoms in thermodynamic equilibrium as a function of temperature, two cases are distinguished: (a) the case of one solid solution of fixed composition, and (b) a whole system  $A^{(1)} - A^{(2)} - \dots - A^{(n)}$ . In the case (a) it is enough to give the distribution of atoms in the lattice points at  $T > T_0$  with respect to the distribution at  $T_0$ , which is given

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P/045/62/021/003/002/005  
B137/B102

Remarks on order-disorder ...

experimentally. Thus, it is sufficient to find the number of atoms of i-th kind in the j-th sublattice. For describing the configuration of atoms in nonstoichiometric n-component solid solutions, the superlattice  $\mathfrak{J}_A$  is subdivided into l sublattices. A system of equations with

$m = (n - 1)(l - 1)$  equations, obtained in zeroth approximation, describes the ordering processes in the arbitrary solid solution of the system A in terms of its composition and temperature. Using these equations a phase diagram can be drawn. The Cu - Au system is calculated as an example. The stoichiometric solid solutions are calculated in zeroth approximation with the interaction of next neighbor atoms, on the one hand, and of second-next, on the other. It is shown that solid solutions of the same composition but of different crystal structure differ in zeroth approximation only if also the second-next neighbor atoms are taken into account. Relations are finally written between quantities that are of significance for the long-range and the short-range order. Professor R. S. Ingarden is thanked for discussions. There are 3 figures, 1 table, and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The two references to English-language publications read as follows: Elcock, E. W., Order-disorder Phenomena, Card 2/3

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Remarks on order-disorder ...

P/045/62/021/003/002/005  
B137/B102

Methuen Co.LTD London 1956 p. 56; Shockley, W., J. chem. Phys., 9, 1930  
(1938).

ASSOCIATION: Department of Experimental Physics of Wrocław University,  
Wrocław

SUBMITTED: June 21, 1961

Card 3/3

WOJGIECHOWSKI, Kazimiera F.

Fermi energy of free electrons and the size effect. Acta physica Pol 22 no.3:293-295 S '62.

1. Department of Experimental Physics, University, Wroclaw.

WOJCIECHOWSKI, K.F.

The size effect of free electron gas. Bul Ac Pol mat 11 no.3:  
125-129 '63.

1. Department of Experimental Physics, University, Wroclaw.  
Presented by W. Rubinowicz.

WOJCIECHOWSKI, K.F.

The dependence of the specific heat of solids on the size of a sample. Bul Ac Pol mat 11 no.3:131-133 '63.

1. Department of Experimental Physics, University, Wroclaw.  
Presented by W. Rubinowicz.

DZIALOSZYNSKI, I.E.; LIFSZYC, E.M.; PITAJEWSKI, L.P.; WOJCIECHOWSKI, Kazimierz  
[translator]

Van der Waals general theory of forces. Postepy fizyki 14 no.1:3-50  
'63.

GROHMAN, Antoni, mgr.; WOJCIECHOWSKI, Kazimierz, dr.

Scientist and detective. Problemy 19 no.8:517-519 '63.

TWARDOSZ, Wladyslaw; WOJCIECHOWSKI, Kazimierz

Diseases associated with undescended testes. Pol. przegl.  
chir. 35 no.5:477-481 '63.

l. Z I Kliniki Chirurgicznej AM w Poznaniu Kierownik: prof.  
dr S. Nowicki.

(CRYPTORCHISM)

PERZYNA, Tadeusz; WOJCIECHOWSKI, Kazimierz; GORLAS, Włodzimierz;  
ZAPAŁSKI, Stanisław.

Hepatic changes in experimental obstructive jaundice. Pol.  
przegl. chir. 35 no.7/8:763-765 '63.

1. Z I Kliniki Chirurgicznej AM w Poznaniu Kierownik: prof.  
dr S. Nowicki.

(JAUNDICE, OBSTRUCTIVE)  
(COMMON BILE DUCT)  
(LIVER CYTOLOGY)

PIETA-POŁOMSKI, Eugeniusz; WALCZAK, Mioczyński; WOJCIECHOWSKI, Kazimierz

Role of adrenal histological changes in arteritis obliterans  
and in Raynaud's disease. Pol. przegl. chir. 35 no.10/11:  
1024-1026 '63.

1. Z Zakładu Histologii Prawidłowej i Embriologii AM w Poznaniu  
Kierownik: prof. dr K. Mietkiewski z I Kliniki Chirurgicznej  
AM w Poznaniu Kierownik: prof. dr S. Nowicki.

(THROMBOANGITIS OBLITERANS)  
(RAYNAUD'S DISEASE) (ADRENAL CORTEX)  
(PATHOLOGY)

MIETKOWSKI, Kazimierz; WOJCIECHOWSKI, Kazimierz; KOPACZYK, Franciszek

Histological and histochemical studies on undescended testes.  
Pol. przegl. chir. 35 no.10/11:1027-1029 '63.

1. Z Zakladu Histologii Prawidlowej i Embriologii AM w Poznaniu  
Kierownik: prof. dr K. Mietkiewski i z I Kliniki Chirurgicznej  
AM w Poznaniu Kierownik: prof. dr S. Nowicki.

(CRYPTORCHISM) (PATHOLOGY)  
(HISTOCHEMISTRY) (GONADOTROPINS, PITUITARY)  
(TESTOSTERONE)

WOJCIECHOWSKI, Kazimierz F.

The dependence of the interactional forces between inert gases  
and metal surfaces on the crystallographic directions. Acta  
physica Pol 25 no.2&255-263 F '64

1. Department of Experimental Physics, University, Wroclaw.

WOJCIECHOWSKI, Kazimierz F.

Note on total surface energy. Acta physica Pol 26 no.2:  
185-188 '64.

1. Department of Experimental Physics of the University, Wroclaw.

WOJCIECHOWSKI, Kazimierz; WALCZAK, Mieczyslaw; PIENKOWSKA-MIKOLAJCZYK,  
Jolanta

False cryptorchism. Ped. Pol. 39 no.11:1281-1288 N '64

l. Z I Kliniki Chirurgicznej Akademii Medycznej w Poznaniu  
(Kierowniks prof. dr. S. Nowicki) i z II Kliniki Chorob Dzieci  
Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med.  
O. Szczepski).

L 8537-66 EWT(1)/T LJP(c) GG

ACCESSION NR: AP5018825

P0/0045/65/027/006/0893/0103

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AUTHOR: Wojciechowski, K. F.

TITLE: Statistical theory of adsorption on solid surfaces with different adsorption sites (Application to adsorption in conditions of the Muller microscope)

SOURCE: Acta physica polonica, v. 27, no. 6, 1965, 893-903

TOPIC TAGS: adsorption, statistic distribution, work function, crystal surface, surface property

21, 44, 55

ABSTRACT: The author investigates the statistical distribution of adsorbed atoms on crystal planes which possess more than one kind of adsorption sites, and on crystals which are bounded by different crystallographic surfaces. The theory is applicable both to the adsorption of gases and to the adsorption of metal atoms or ions on the surfaces of a solid. It is assumed that during the short time following the deposition of the adsorbed atoms on the crystal surface, the total surface coverage is constant, and the distribution of the adsorbed atoms on the different kinds of adsorption sites is in equilibrium. The results are used to interpret the experimental data on the adsorption of metallic atoms in conditions of the Muller microscope (projector). It is found that the binding energy has a smaller influence on the adsorption in the case of repulsion forces between the ad-

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ACCESSION NR: AP5018825

sorbed atoms than in the case of attraction forces. It is shown that at a given value of surface coverage, different electron patterns of the same crystallographic plane can be obtained if the surface borders alternately on different groups of crystallographic planes. The inference of the different kinds of adsorption sites on the change in work function vs. surface coverage is also taken into account. It is shown that the model given by A. D. Crowell and A. L. Norberg, Jr. (J. Chem. Phys. v. 37, 714, 1962) does not take into account the interaction between the adsorbed atoms. "The author is indebted to Professor J. Nikliborc for valuable discussions and Doctor Z. Sidoraki for valuable discussions and remarks, and also to Miss J. Paszkowska for numerical computations." Orig. art. has: 5 figures and 18 formulas.

ASSOCIATION: Katedra Fizyki Doswiadczałnej Uniwersytetu Wrocławskiego (Department of Experimental Physics, University of Wrocław) 44

SUBMITTED: 18Nov64

ENCL: 00

SUB CODE: 88

NR REF Sov: 002

OTHER: 018

Card 2/2 (3)

ZAWILSKI, Jerzy; WOJCIECHOWSKI, Kazimierz; LAS, Jerzy; ZAPALSKI, Stanislaw

Studies on reactions of the rabbit femur to some methyl  
methacrylate derivatives. Pol. przegl. chir. 37 no.9:  
835-844 S '65.

1. Z I Kliniki Chirurgicznej AM w Poznaniu (Kierownik: prof. dr.  
St. Nowicki) i z Katedry Technologii Tworzyw Sztucznych Poli-  
techniki Wrocławskiej (Kierownik: prof. T.I. Rabek).

WOJCIECHOWSKI, Kazimierz

Normal and pathological testicular descent. Pol. przegl. chir.  
37 no.9:902-911 S '65.

1. Z I Kliniki Chirurgicznej AM w Poznaniu (Kierownik: prof.  
dr. S. Nowicki).

L 00624-67 EWP(t)/ETI IJP(c) GG/JD

ACC NR: AP6019938

SOURCE CODE: P0/0045/66/029/002/0119/0140

37  
B

AUTHOR: Wojciechowski, Kazimierz F.

ORG: Department of Experimental Physics, University of Wroclaw

TITLE: The quantum theory of adsorption on metals, Part I

SOURCE: Acta physica polonica, v. 29, no. 2, 1966, 119-140

TOPIC TAGS: adsorption, quantum theory, metal surface, LCAO method

ABSTRACT: The one-electron theory of adsorption on metals is formulated on the basis of the LCAO method. For the description of electrons in metal, functions are used which obey periodic boundary conditions in the x and y directions and are fixed at the metal surface. The electronic configurations leading to dispersion, exchange, and ionic configurations are considered for alkaline, Sr and Ba atoms. Also the atomic structure of the metal surface is taken into account. In Part I the theory is given, while Part II will contain the numerical results for adsorption of selected atoms on the (100) and (110) planes of Cu and W. Orig. art. has: 4 figures [KS] and 46 formulas. [Author's abstract.]

SUB CODE: 20/ SUEM DATE: 10Jul65/ SOV REF: 006/ OTH REF: 035

Card 1/1 pb

Veterinary Medicine

POLAND

SEROKOWA, Danuta and WOJCIECHOWSKI, Krzysztof; Department of Epidemiology, National Institute of Hygiene (Zaklad Epidemiologii Panstwowego Zakladu Higieny) Head Prof Dr J. KOSTRZEWSKI; and Chair of Epizootiology, Veterinary College of University of Rural Economics (Szkoła Główna Gospodarstwa Wiejskiego) Head (Kierownik) Prof Dr A STRYSZAK, Warsaw.

"Agar Gel Precipitation Testing in Animals Inoculated with Rabies."

Warsaw, Przeglad Epidemiologiczny, Vol 19, No 4, 1965; pp 347-408.

Abstract [English summary modified]: Study to determine operationally optimal conditions for reliable data from the rapid agar gel precipitation testing of tissues of CNS of mice and rats inoculated with the street rabies virus and a fixed strain. The tests became unquestionably positive only late in the incubation period, indicating at best only supplementary usefulness in the diagnosis of rabies by inoculation of laboratory animals. Three diagrams; 3 photographs of test patterns; 13 graphs; 3 Soviet, 6 Western and 2 Polish, 1 Yugoslav reference.

1/1

HAHN, W.E.; WOJCIECHOWSKI, L.

Reactions of the dimercaptomaleic acid derivatives. Pt.1. Acta  
chim 8:55-59 '62.

1. Department of Organic Chemistry, University, Lodz, and Institute  
of Organic Industry, Section Zgierz. Presented by W.E. Hahn.

CHRZANOWSKI, Jan; KULARSKA, Irena; STEMPIEN, Ryszard; WOJCIECHOWSKI, Leszek

Serological studies on Q fever among wool industry workers. Przegl.  
epidem. 14 no.4:411-416 '60.

1. Z Kliniki Chorob Zakaznych A.M. w Lodzi Kierownik: doc. dr med.  
J.Chrzanowski i ze Stacji Sanitarno-Epidemiologicznej m. Lodzi  
Dyrektor: dr J.Zanski.  
(Q FEVER epidemiol) (WOOL microbiol)

DABROWSKI, Stanislaw, Mgr. ing.; WOJCIECHOWSKI, Marek, Mgr. ing.

Conversion of spinning machines for processing chemical fibers.  
Magy textil 15 no.5/6:212-216 My-Je '63.

1. Textilintezet, Lodz, Lengyelorszag.

WOJCIECHOWSKI, M.

"Stabilizer of alternating current produced by state telecommunication plants."

p. 94 (Tele-Radio) Vol. 3, no. 2, Feb. 1958  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

WOJCIECHOWSKI, R.

Water brings bread. p. 11  
No. 8, Aug. 1955. TURYSTA. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April, 1956

Wojciechowski S.

Wojciechowski S., Staub F., Eng. "Modern Methods of Research on the Hardenability of Steel." (Wspolczesne metody badania hartownosci stali). Przeglad Mechaniczny. No 1-3, 1950, pp. 44-51, 12 figs, 1 tab.

Physical principles for determining the hardenability. Factors which raise difficulties in the absolute determination of hardenability. Methods of determining the hardenability of steel. Construction of U-type curves. Shepherd's P-F method. S-A-C method. M. Crossmann's determination of hardenability by means of cooling time. Hardenability line. Green and Post's cone test. Shepherd's disc hardening test. Shepherd's P-V method. A method of determination of the hardenability of deeply hardening alloy steels.

SO: Polish Technical Abstracts - No. 2, 1951

WOJCIECHOWSKI, S.

3d Interdistrict Championship of Models with Towlines in Lodz. p. 11.  
SKRZYDLATA POLSJA, Warszawa, Vol. 11, no. 25, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

WOJCIECHOWSKI, S.

New hypotheses in metallurgy based on adsorption. p. 274.  
HUTNIK, Katowice, Vol. 22, no. 7/8, July/Aug. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

WOJCIECHOWSKI, S.

WOJCIECHOWSKI, S. Preventing the occurrence of flaws in steel. p. 375.  
Vol. 21, no. 11, Nov. 1954.  
HUTNIK. Katowice Poland

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

WOJCIECHOWSKI, Stanislaw, mgr.

We need a broad action in publishing catalogs and technological lead books.  
Przegl techn no.38:8 21 S '60

WOJCIECHOWSKI, Stanislaw, mgr.

Economic incentives and technological progress. Przegl techn  
no.52:3 28 D '60.

LACHOWICZ, Franciszek; WOJCIECHOWSKI, Stefan

Testing the efficacy of neutralization. Przegl elektrotechn 39  
no.11:437-438 N '63.

WOJCIECHOWSKI, Stefan

Determination of the current displacing coefficients in rods located in slots of electric machines by applying the sine and tangent relief surface method. Elektryka Lodz 14:19-34 '64.

1. Department of Basic Problems of Electrical Engineering,  
Technical University, Lodz.

WOJCIECHOWSKI, Stefan

Influence of the nonconformity of the electric parameters of a railroad track upon the propagation of the current and the potential distribution along the rails. Elektryka Lodz no.4:103-122 '58.

1. Katedra Podstaw Elektrotechniki, Politechnika, Lodz i Zaklad Elektrotechniki, Polska Akademia Nauk, Lodz.

Wojciechowski, Tadeusz

POL.

Wojciechowski, Tadeusz: "Chemiczny przemysł drewna."  
Warszawa: Państwowe Wydawnictwo Rolnicze i Leśne, 1952.  
223 pp.

Wojciechowski, Tadeusz: "The Chemical Conversion of Wood." Warsaw:  
National Agriculture and Forestry Publishing House. 1952. 223 pp.

WOJCIECHOWSKI, T.

"Materiałoznawstwo dla technikum budowlanego" (Material knowledge for the technical school of building), by T. Wojciechowski. Reported in New Books (Nowe Ksiazki), No. 15, August 1, 1955

WOJCIECHOWSKI, TADEUSZ.

Chemiczna technologia drewna; podręcznik dla techników przemysłu leśnego. Warszawa,  
Panstwowe Wydawn. Rolnicze i Lesne, 1955. 242 p. (Chemical technology of wood; a  
textbook for technicians of the forest industry.) DA Not in DLC Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

WOJCIECHOWSKI, Tadeusz

Tasks and methods of technical and economic information. Przem drzew  
12 no.12:27-29 '61.

(Poland—Information services)

P/044/60/000/009/002/005  
A107/A126

AUTHOR: Wojciechowski, W., Colonel, Engineer

TITLE: The future of radioelectronics and microminiaturization

PERIODICAL: Wojskowy Przegląd Lotniczy, no. 9, 1960, 49 - 54

TEXT: The change in design and technology of electronic equipment is the main problem in the automation of anti-aircraft defense, i.e., observer service, fire control, rocket launching, etc. The size equipment should be reduced to the lowest scale, but still securing good results. This can be achieved by development of semi-conductors, layer conductors, ferrites, ceramics, and by eliminating the use of electronic valves and replacing them with small ceramic ones. Electronic equipment should be designed by modules or micro-modules. The elements of a module are printed plates in super-miniature size and assembled wafer-like. The author is quoting US modules for resistors, condensers, bobbins and transistors which are used in electronic computers. The US portable radio set AN/PRC-25, working with 44 transistors, one 1.4 w transmitter valve, having a total volume of 4,500 cm<sup>3</sup>, is described. The reliability of these devices is ✓

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P/044/60/000/009/002/005

A107/A126

The future of radioelectronics....

based on the proper selection of raw materials, simplification of construction and increased shock-resistance of standardized modules. There are 2 figures and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc.

Card 2/2

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6.4311  
6.4310

P/044/61/000/006/004/004  
D001/D101

AUTHOR: Wojciechowski, W., Lieutenant Colonel, Engineer

TITLE: Radioelectronic countermeasures in aviation

PERIODICAL: Wojskowy przegląd lotniczy, no. 6, 1961, 43-52

TEXT: The article is the first part of an instructive serial and presents a general account of electronic countermeasures. The crucial significance of ECM is illustrated by a pertinent review of WW II. A prerequisite to efficient ECM is reconnaissance to ascertain data of enemy transmitters such as frequency, recurrence rate, pulse width, beamwidth, antenna rotation rate, and to pinpoint the bearing of such transmitters. Active ECM methods are spot jamming and barrage jamming; continuous or pulse signals and synchronous or asynchronous pulses may be used. Most effective today is a continuous signal with white noise modulation. A typical airborne ECM set is visualized to consist of a receiver, analyzer, program selector, programming circuit and transmitter.

Card 1/1

S/081/62/000/014/007/039  
B166/B144

AUTHORS: Jeżowska-Trzebiatowska, B., Wajda, S., Wojciechowski, W.

TITLE: Para- and diamagnetic rhenium (IV) complexes. Part III.  
Complex compounds of rhenium (IV) with organic hydroxy-acids.  
Part IV. Rhénium (IV) complexes with phenol carboxylic acids.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1962, 86, abstract  
14V57 (Bull. Acad. polon. sci. Ser. sci. chim., v. 9, no. 2,  
1961, 57-64; 65-69)

TEXT: III. Complexes  $K_2[Re_2O(OH)_6L_2]$  (I) and  $K_4[Re_2O(OH)_6L'_2]$  (II) were synthesized, where  $HL$  and  $H_2L'$  are citric and tartaric acid respectively.

I and II are compounds of RE (4+) got by heating  $K_2ReCl_6$  in solution with an excess of the corresponding acid. From studying the electrical conductivity of solutions of I and II it is shown that these are dinuclear complexes, diamagnetic both in the solid state and in solution. The authors consider that the diamagnetism is brought about by interaction

Card 1/2

S/081/62/000/014/007/039  
B166/B144

Para- and diamagnetic rhenium ...

between the spins of the paramagnetic Re atoms through the oxygen bridge. It is proposed to call phenomena of this type "intramolecular antiparamagnetism".

IV. Complexes  $Tl_4[Re_2O(OH)_6L_2^{\text{II}}]$  (III) and  $Tl_2[Re(OH)_4A]$  (IV) were synthesized, where  $H_2L^{\text{II}}$  and  $H_2A$  are gallic and salicylic acid respectively.

These complexes were obtained by heating  $K_2ReCl_6$  in solution with an excess of the corresponding acid, afterwards separating the complexes in the form of Tl salts. III is diamagnetic both in the solid state and in solutions (as well as in the form of the K salt); IV is paramagnetic ( $\mu = 3.56 \mu_B$ ). III and IV are relatively stable substances, brown in color. The dinuclear character of complex III was established from a study of the electrical conductivity in solutions. The authors consider that the diamagnetism of III is caused by interaction between the spins of the two Re atoms across an oxygen bridge. For part II see RZhKhim, no. 3, 1959, 7757. [Abstracter's note: Complete translation.]

Card 2/2

JEZOWSKA-TRZEBIATOWSKA, B.; WOJCIECHOWSKI, W.

Para-and diamagnetic rhenium (IV) complexes. Pt. 5. The complex of Re (IV) with ethylenediaminetetraacetic acid. Pt. 6. The racah coefficients and energy levels of some complexes of  $5d^3$  elements. Pt. 7. Energy and length of the oxygen-bridge bond in binuclear Re (IV) complexes. Bul chim PAN 9 no.11:785-704 '61.

1. Department of Inorganic Chemistry, University, Wroclaw. Presented by W. Trzebiatowski.

JEZOWSKA-TRZEBIATOWSKA, B.; WAJDA, S.; WOJCIECHOWSKI, W.

Para- and diamagnetic rhenium (IV) complexes. Pt. 8. Bul chim  
PAN 9 no.12:767-772 '61.

1. Department of Inorganic Chemistry, University, Wroclaw, and  
Institute of Physical Chemistry, Polish Academy of Sciences,  
Wroclaw. Presented by W. Trzebiatowski.

YEZHOVSKA-TSHEBYATOVSKA, B. [Jezowska-Trzebiatowska, B.]; VOYTSEKHOVSKI, V.  
[WOJCIECHOWSKI, W.]

Magnetic properties of binuclear complexes with an oxygen bridge  
in the light of the methods of valence schemes and molecular orbits.  
Zhur.strukt.khim. 4 no.6:872-880 N-D '63. (MIRA 17:4)

1. Vrotslavskiy universitet, Pol'sha.

WOJCIECHOWSKI, W.; JEZOWSKA-TRZEBIATOWSKA, B.

The electron spin resonance in binuclear chromium III complexes.  
Biul chim PAN 11 no.2:79-84 '63.

1. Institute of Physical Chemistry, Wroclaw Branch, Polish Academy  
of Sciences, and Department of Inorganic Chemistry, University,  
Wroclaw. Presented by W. Trzebiatowski.

JEZOWSKA-TRZEBIATOWSKA, B.; ZIOLKOWSKI, J.; WOJCIECHOWSKI, W.

Absorption spectra of nitrosylcyanide complexes of transition metals. Bul chim PAN 11 no.10:567-573 '63.

The application of the M.O. method to investigations of nitrosylcyanide complexes. Ibid.:575-578

1. Department of Inorganic Chemistry, University, Wroclaw.  
Presented by W. Trzebiatowski.

JEZOWSKA-TRZEBIATOWSKA, B.; GROBELNY, R.; WOJCIECHOWSKI, W.

Electronic structure of u-oxochlororuthenate and its absorption spectra. Bul chim PAN 12 no.12:827-830 '64.

1. Department of Inorganic Chemistry of Wroclaw University.  
Submitted September 30, 1964.

VOYTSEKHOVSKI, V. [Wojciechowski, W.]; EZHOVSKA-TSHEBYATOVSKA, B. [Jezovská-Trzebiatowska, B.]; RUDOL'F, N. [Rudolf, N.]

Structure of diamagnetic binucleate molybdenum complexes (V).  
Chem zvesti 19 no.3:229-235 '65.

1. Kafedra neorganicheskoy khimii Wroclawskogo Universiteta,  
Wroclaw, Poland.

CZARNECKA-PAPLINSKA, Wanda; ADAMCZYK, Bogdan; WOJCIECHOWSKI, Włodzimierz.

Experimental therapeutic colonies for stuttering children.  
Otolaryng. pol. 17 no.4:485-486 '63.

1. z Wojewódzkiej Poradni Foniatrycznej w Lublinie.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001961710012-3

WOJCIECHOWSKI, Zdzislaw

Phytochrome. Postepy biochem. 11 no.3:285-294 '65.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001961710012-3"

HLINIĄK, Andrzej; DARLEWSKI, Jerzy; HLINIĄK, Irena; LOBODZIEC, Włodzimierz;  
WOJCIESZEK, Zbigniew; PETRYNA, Alicja

Depth and exposition of the rectum and bladder in x-ray therapy  
of cancer of the cervix uteri. Nowotwory 14 no. 4:417-421 O-D '64

1. z Zakładu Roentgenoterapii Instytutu Onkologii w Gliwicach  
(Kierownik: dr.med. A. Hliniak; Dyrektor: dr. med. J. Świeżki).

~~CLASSIFIED BY [unclear], 2015/11/01~~  
HOWORKA, Edward; WOJCIECHOWSKI, Zgibniew.

Post-adrenalin eosinopenia in newborn children delivered by  
normal means and by cesarean section. Gin.polska 26 no.2:171-  
174 Apr-June '55.

1. Eozynopenia po adrenalinie u noworodkow po porodach samo-  
stnych lubcieciach cesarskich. Z Kliniki Poloznictwa i Chorob  
Kobiecyc A.M. w Poznaniu. Kierownik: prof.dr I. Roszkowski.  
Poznan, Kosciuszki 34 m.4.

(INFANT, NEWBORN, blood in,  
epinephrine eosinopenia in child. delivered by  
normal means & cesarean section)

(EOSINOPHIL COUNT,  
epinephrine eosinopenia in newborn inf.delivered  
by normal means of cesarean section)

(EPINEPHRINE, effects,  
eosinopenia in newborn inf.delivered by normal  
means & cesarean section)

(CESAREAN SECTION,  
epinephrine eosinopenia in newborn inf.delivered  
by normal means & cesarean section)

HOWORKA, Edward; WOJCIECHOWSKI, Zbigniew; LUKASIK, Jerzy

Studies on intrauterine hypoxia in fetuses. II. Blood cell picture in hypoxia in newborn infants. Gin. polska 27 no. 6:723-726 Nov-Dec 56.

1. Z Kliniki Poloznictwa i Chorob Kobiecych AM w Poznaniu  
Dyrektor: prof. dr. I. Roszkowski.  
(ANOXIA, in infant and child  
hypoxia in newborn, blood cell picture in (Pol))

HOWORKA, Edward; WOJCIECHOWSKI, Zbigniew; LUKASIAK, Jerzy

Studies on intra-uterine fetal anoxia. I. Behavior of hemoglobin and of erythrocytes in acute fetal anoxia in rats.  
Gin. polska 28 no.4:461-473 July-Aug 56.

1. Z Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu  
Dyrektor: prof. dr. I. Roszkowski. Poznan, Kosciuszki 34 m. 4.  
(ERYTHROCYTES, in various diseases,  
exper. fetal anoxia in rats (Pol))  
(HEMOGLOBIN, in various diseases,  
same.)  
(ASPHYXIA NEONATORIUM, experimental,  
fetal anoxia in rats, erythrocytes & hemoglobin in (Pol))

WOJCIECHOWSKI, Z.

Who is right, the forester or the sawmill worker? p. 8.

LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Leśnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 12, June 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960.  
Uncl.

WOJCIECHOWSKI, Zbigniew

The Industrial Equipment Works in Nysa. Przegl techn 86  
no.6:7 7 F '65.

METZGER, Mieczyslaw; PRZERWA-TETMAJER, Andrzej; WOJCIECHOWSKI, Zygmunt

The influence of zymosan, cortisone and x-rays on the course  
of experimental toxoplasmosis in white rats. Arch. immun.  
ther. exp. 11 no.1/2:227-233 '63.

1. Department of Protozoology, Institute of Immunology and  
Experimental Therapy, Polish Academy of Sciences, Wroclaw.  
(TOXOPLASMOSIS, ANIMAL) (ZYMOSAN)  
(CORTISONE) (PHARMACOLOGY) (RADIATION EFFECTS)

WOJCIEKIAN, E.; ZYRO, K.

Stamping and extrusion of sockets from polygonal blanks. p. 143. (Mechanik, Vol. 30, No. 4, Apr 1957, Warsaw, Poland)

SO: Monthly List of East European Acquisitions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

LANZENDOERFER, Jerzy, dr inz.; MOJCIEL, Adolf

Influence of the antisliding device on the braking quality of  
automobiles. Techn motor 14 no. 2:37-42 F '64.

BIRECKA, H.; WOJCIESKA, U.

Research on the alkaloids of Lupinus albus during its period of vegetation. Pt. 3. White bitter lupin - in its earliest and late ontogenetic stages. Acta soc botan Pol 31 no.2:337-356 '62.

1. Katedra Fizjologii Roslin, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

BIRECKA, H.; SKUPINSKA, J.; WOJCIESKA, U.; ZINKIEWICZ, E.

Photosynthesis, translocation and accumulation of assimilates in cereals during grain development. Acta soc botan Pol 32 no.2:435-461 '63.

1. Department of Plant Physiology, Central College of Agriculture, Warsaw, and Section of Plant Physiology, Institute of Soil Science and Plant Cultivation, Warsaw.

WOJCIESZAK.

MISSIUR, W.L.; KOZLOWSKI, S.; WOJCIESZAK, I.

Effect of environmental stimuli of social nature on vegetative function  
and on capacity of physical effort. Acta physiol. polon. 4 no.3:207-  
218 1953. (CIML 25:5)

1. Of the Institute of Physiology of Labor (Head--Prof. W. Missiuro,  
M.D.) of Warsaw Medical Academy and of the Department of Physiology of  
the Institute of Physical Culture.